

**New L4s and their design component coverage in RTM BASELINE122195**  
file attach2.doc

The following changes have been made to this CCR since its original submittal:

- 1) deleted S-DSS-03368 to be consistent with attach1.doc
- 2) added S-DSS-03367 to be consistent with attach1.doc
- 3) changed text of S-DSS-03522 to be consistent with attach1.doc
- 4) changed DsGeDescriptor to DsDeDescriptor

Table 5 - Reference table for review of L4 to design component changes

L4 ID	RTM Key	Rel	L4 Text	Object, CSC, CI, subsystem	RTM Key	Component Type	Text
<u>S-DSS-03366</u>		<u>A</u>	The SDSRV CI shall be capable of receiving <u>inventory characteristic data</u>	<u>DsDeDescriptor</u>	<u>new</u>	<u>Object</u>	<u>Contains all information, about specific data types, that is needed throughout ECS.</u>
<u>S-DSS-00251</u>		<u>A</u>	The SDSRV CI custom GUIs shall conform to the <u>guidelines in version 5.1 of the ECS Interface Style Guide</u>	<u>DsGu</u>	<u>new</u>	<u>CSC</u>	<u>Science dataserver GUIs.</u>
<u>S-DSS-30162</u>		<u>A</u>	The DDIST CI custom GUIs shall conform to the <u>guidelines in version 5.1 of the ECS User Interface Style Guide.</u>	<u>DsDdDistRequest</u>	533	Object	DsDdDistRequest is base class for the client/server specialization of distribution requests. Specifies operations which are available to any client.
				<u>DsDdRequestList</u>	<u>new</u>	<u>Object</u>	<u>Set of pointers to all distribution requests.</u>
<u>S-DSS-21311</u>		<u>A</u>	The STMGT CI custom GUIs shall conform to the <u>guidelines in Version 5.1 of the ECS User Interface Style Guide.</u>	<u>DsStResourceManager</u>	474	Object	To manage and monitor the resources of the data server. The ResourceManager allocates resources that it controls during the processing of requests.
<u>S-DSS-03367</u>		<u>A</u>	The SDSRV CI shall be capable of receiving <u>File Format Descriptions (e.g. HDF Spec.).</u>	<u>?????????</u>		<u>?????</u>	<u>???????????</u>

<u>S-DSS-03522</u>		<u>A</u>	<u>The SDSRV CI shall provide storage for Metadata associated with Instrument Historical Data.</u>	<u>DsMdCatalog</u>	473	Object	This class is used to provide access to the metadata database. It contains a single database connection, thus a separate instance of this class is required for each thread of execution requiring access to the database. This class represents the logical starting point for access to the database. All Insert, Update, Add, Remove, and Delete methods are executed within the bounds of a database transaction, thus consistency is gauranteed. This class interfaces with the database in terms of Databases, Tables and SQL. It relies on the DsDbInterface class for Sybase specific routines.
--------------------	--	----------	--	--------------------	-----	--------	---

Table 6 - New components for Component class

<b>Object, CSC, CI, subsystem</b>	<b>RT M Key</b>	<b>Component Type</b>	<b>Text</b>
<u>DsDeDescriptor</u>	<u>new</u>	<u>Object</u>	<u>Contains all information, about specific data types, that is needed throughout ECS.</u>
<u>DsGu</u>	<u>new</u>	<u>CSC</u>	<u>Science dataserver GUIs.</u>
<u>DsDdRequestList</u>	<u>new</u>	<u>Object</u>	<u>Set of pointers to all distribution requests.</u>

Table 7 - L4 to Component links to be added

<b>L4 ID</b>	<b>Object, CSC, CI, subsystem</b>
S-DSS-03366	DsDeDescriptor
S-DSS-00251	DsGu
S-DSS-30162	DsDdDistRequest
S-DSS-30162	DsDdRequestList
S-DSS-21311	DsStResourceManager
S-DSS-03522	DsMdCatalog